



Performance Data Sheet

AGA5561EXH

General Information

Model	AGA5561EXH	Refrigerant	R-22
Test Condition	ASHRAE	Performance Test Voltage	575V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	3PH

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-15	Btu/h	19100	18200					
	Watts	3020	2860					
	Amps	3.53	3.31					
	Lb/h	261	239					
-10	Btu/h	20900	19600	18300				
	Watts	3180	3050	2920				
	Amps	3.74	3.57	3.40				
	Lb/h	284	260	236				
-5	Btu/h	23500	21700	20000	18300			
	Watts	3340	3250	3150	3060			
	Amps	3.95	3.82	3.68	3.56			
	Lb/h	314	289	264	239			
0	Btu/h	26800	24600	22400	20300	18200		
	Watts	3510	3450	3390	3330	3270		
	Amps	4.15	4.06	3.97	3.88	3.79		
	Lb/h	353	326	299	273	247		
5	Btu/h	30700	28100	25600	23000	20500		
	Watts	3680	3650	3620	3600	3570		
	Amps	4.34	4.29	4.24	4.20	4.15		
	Lb/h	399	371	343	315	288		
10	Btu/h	35300	32400	29400	26500	23600	20600	17700
	Watts	3840	3850	3860	3870	3880	3890	3900
	Amps	4.52	4.52	4.51	4.51	4.50	4.50	4.50
	Lb/h	453	424	395	365	336	307	279
15	Btu/h	40600	37300	34000	30600	27300	24000	20600
	Watts	4010	4060	4100	4140	4190	4230	4280
	Amps	4.69	4.73	4.77	4.81	4.85	4.89	4.93
	Lb/h	515	484	454	423	393	363	332
20	Btu/h	46600	42900	39200	35400	31700	28000	24300
	Watts	4180	4260	4340	4420	4500	4580	4660
	Amps	4.85	4.94	5.02	5.10	5.18	5.26	5.35
	Lb/h	584	552	521	489	458	426	394

25	Btu/h	53200	49100	45000	40900	36800	32700	28600
	Watts	4340	4460	4580	4690	4810	4920	5040
	Amps	5.00	5.13	5.26	5.38	5.51	5.63	5.76
	Lb/h	660	627	595	562	530	497	464
30	Btu/h	60400	56000	51500	47100	42600	38100	33600
	Watts	4510	4660	4810	4970	5120	5270	5420
	Amps	5.13	5.31	5.48	5.65	5.82	5.99	6.16
	Lb/h	743	710	676	643	609	575	541
35	Btu/h	68300	63500	58700	53900	49000	44200	39300
	Watts	4660	4860	5050	5240	5430	5620	5800
	Amps	5.26	5.47	5.69	5.91	6.13	6.34	6.55
	Lb/h	832	799	765	730	696	661	626
40	Btu/h	76800	71600	66500	61300	56100	50900	45600
	Watts	4810	5050	5280	5510	5730	5960	6180
	Amps	5.36	5.63	5.89	6.16	6.42	6.68	6.94
	Lb/h	929	894	860	825	790	754	718
45	Btu/h	85900	80400	74900	69300	63800	58200	52600
	Watts	4960	5230	5500	5770	6040	6300	6560
	Amps	5.45	5.76	6.08	6.39	6.69	7.00	7.30
	Lb/h	1030	997	962	926	890	854	818
50	Btu/h	95500	89700	83900	78000	72100	66200	60200
	Watts	5100	5410	5720	6030	6330	6640	6940
	Amps	5.52	5.88	6.24	6.60	6.96	7.31	7.66
	Lb/h	1140	1110	1070	1030	998	961	924
55	Btu/h		99600	93400	87200	81000	74700	68400
	Watts	5230	5580	5930	6280	6630	6970	7310
	Amps	5.57	5.98	6.39	6.80	7.20	7.60	8.00
	Lb/h	1260	1220	1180	1150	1110	1070	1040

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.438313E+04	4.031312E+03	4.901907E+00	5.726132E+02
C2	1.335853E+03	-2.391434E+01	-3.086649E-02	1.027283E+01
C3	-2.226322E+02	-6.733020E+00	-9.622370E-03	-2.781804E+00
C4	1.261898E+01	-7.043041E-02	-2.716823E-04	1.377840E-01
C5	-7.330643E+00	7.461545E-01	9.043486E-04	-1.669182E-02
C6	1.145626E-02	9.756046E-04	9.901005E-07	1.779816E-04
C7	-1.543113E-02	-1.314101E-03	-1.333627E-06	-2.397343E-04
C8	1.526685E-02	1.300111E-03	1.319428E-06	2.371820E-04
C9	-4.323191E-03	-3.681590E-04	-3.736292E-07	-6.716402E-05
C10	2.070300E-04	1.763049E-05	1.789245E-08	3.216368E-06

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature